

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNIONTOWN QUADRANGLE
7 IND.-158 KY.
N3745-W8745/15
DIAGRAM NJ 16-8
EVANSVILLE

Henderson and Union Co. (KY.)
Posey Co. (IND.)

Final adjustment of 1971

Edition of 10/5/71

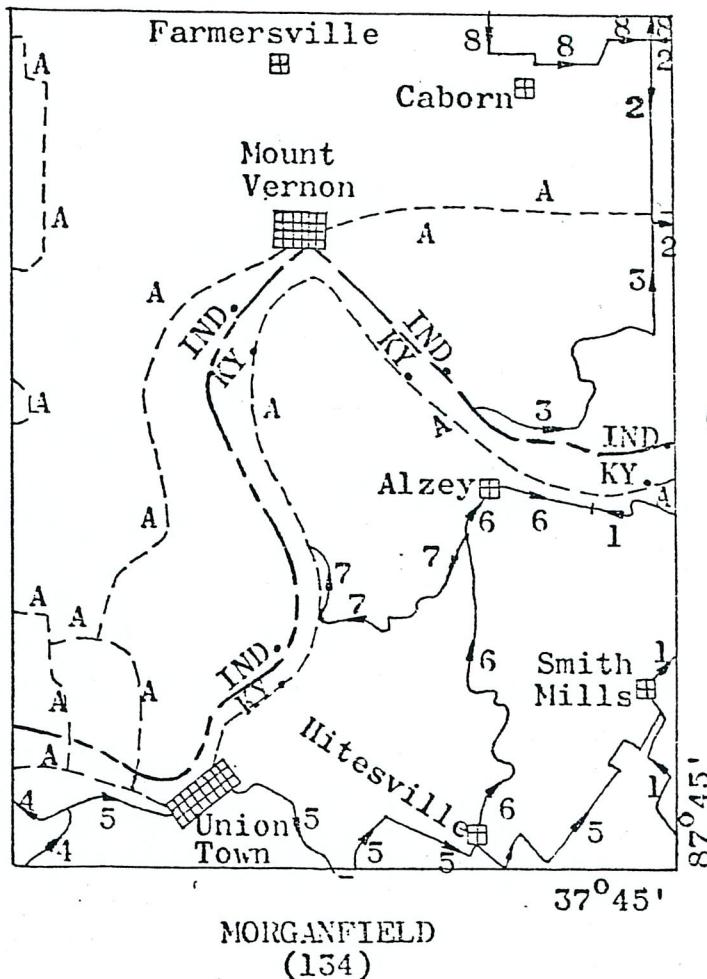
PR: DSW/dt

Only the permanent marks
are listed for lines
run more than 25 years
before edition date

NEW HARMONY
(17 IND.-29 ILL.)

NEW HAVEN
(20 ILL.-8 IND.-
159 KY)

HENDERSON
(157 KY.-6 IND.)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370874

UNIONTOWN QUADRANGLE

N3745-W8745/15
7 IND.-158 KY.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
352	14	35 JEM 1950 425	8
355 KY	13	36 JEM 1950 360	10
357	4	37 JEM 1950 443	10
359 KY	3	38 JEM 1950 410	10
362	3	39 JEM 1950 408	11
362	3	40 JEM 1950 406	11,12
364	3	41 JEM 1950 RESET 1956	11
365	3	42 JEM 1950 378	11
367	3	43 JEM 1950 415	12
369	3	44 JEM 1950 364	12
380	4	45 JEM 1950 359	13
384	4	46 JEM 1950 360	13
413	3	47 JEM 1950 354	14
413	4	TT 29 TWC 1957 434	14
420 IND.	4	TT 30 TWC 1957 392	15
420 IND.	4		
456	4	<u>USED</u>	
10 JEM 1950 410	6,15		
11 JEM 1950 469	6	492 353.76	9
12 JEM 1950 407	6,8	BM 1199	6,15
22 JEM 1950 370	7	BM 1215	14
23 JEM 1950 371	8	BM 1221	9
24 JEM 1950 410	5	BM 1222	7
25 JEM 1950 440	5,12	BM 1224	7
28 JEM 1950 364	5		

UNIONTOWN
Books A 9319 and A 9354

IND.-KY.

S. R. Archer
E. C. Bibbee

1914

Feet

ISOLATED BENCH MARKS (Cont'd.)

Upton, 0.2 mi S. of, thence 0.9 mi E.; 3.2 mi NW. of Mount Vernon, along Louisville and Nashville Railroad; in SE. 1/4 sec. 35, T. 6 S., R. 14 W.; 310 ft E. of junction of private rd. N.; 250 ft E. of hwy. bridge over Candy Creek; on N. side of RR.; at RR. right-of-way fenceline corner; on iron post; standard cap stamped "384" (Reported not found, 1957)

382.995

Mount Vernon; 36 ft NE. of centerline of Main Street at L. & N. RR. crossing; 35 ft SW. of SW. corner of small brick office building; 38 ft E. of center bolt in top of fire plug on W. side of street; 2 ft E. of E. edge of pavement; on iron post; standard cap stamped "413"

412.200

Mount Vernon, 3.4 mi N. of, along State Highway 69; at Farmersville; 25 ft SW. of centerline of crossroads; at NE. corner of schoolhouse yard; 25 ft NE. of pump; 1 ft W. of telephone pole; on iron post; standard cap stamped "420 IND"

419.053

Caborn, 0.3 mi N. of, thence 2.9 mi W.; in NW. 1/4 sec. 26, T. 6 S., R. 13 W.; on S. side of rd. in line with E. edge of T-rd. N.; on iron post; standard cap stamped "456"

455.516

Caborn; at N. side of street car line and RR.; W. of rd.; near SE. corner of store of George Siefert; at base of RR. warning post; on iron post; standard cap stamped "420 IND" (Reported not found, 1957)

419.550

Mount Vernon, 7.0 mi SE. of, along rd. parallelling Ohio River; 350 ft S. of centerline of rd.; 150 ft from bank of river; on line between property of William Crunk and Adefer Winager; in clump of trees on W. bank of slough; on iron post; standard cap stamped "357"

357.527

Caborn, 2.8 mi S. of; 6.0 mi E. of Mount Vernon; between secs. 7 and 8, T. 7 S., R. 12 W.; at SE. corner of crossroads; on iron post; standard cap stamped "380" (Reported disturbed, 1945)

379.443

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 1.

J. E. McClane, 1950; Book AV 172

Smith Mills, 0.5 mi SE. of, along State Highway 136, thence 1.3 mi SW., thence 0.7 mi SE.; 6 ft S. and 15 ft E. of, and 2 ft higher than centerline of rd. at junction of farm rd. N.; 24 ft S. of E. gatepost; in concrete post; standard tablet stamped "24 JEM 1950 410"

410.127

Reference mark; 28 ft N. of tablet; in S. side of NW. gatepost; RR. spike

409.73

Smith Mills, 0.5 mi SE. of, along State Highway 136; 36 ft S. of, and 1 ft higher than centerline of hwy. at junction of Y-rd.; 36 ft W. of junction of rd. E.; 33 ft NE. of junction of rd. W.; in concrete post; standard tablet stamped "25 JEM 1950 440"

440.084

U.E., Smith Mills; 180 ft W. of service station; 18 ft N. and 12 ft W. of, and level with centerline of State Highway 136 at junction of T-rd. N.; on curb on N. side of street; chiseled square

408.21

Jogs into Henderson quadrangle

Alzey, 3.2 mi SE. of; 18 ft N. and 18 ft E. of, and level with centerline of State Highway 268 at junction of T-rd. N.; 12 ft W. of fenceline corner; in concrete post; standard tablet stamped "28 JEM 1950 364"

363.269

Reference mark; 330 ft W. of tablet; on center of N. concrete headwall of culvert under rd.; chiseled square

363.90

U.E., Alzey, 2.2 mi SE. of; 30 ft S. and 27 ft E. of, and 2 ft higher than centerline of State Highway 268 at junction of T-rd. S.; on NE. corner of concrete base for fenceline corner post; chiseled square

361.67

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 1 (Cont'd.)

Diamond Island Towhead; about 135 ft from top of river bank; about 750 ft from centerline of rd.; on property of J. Cheatam; 6 ft below property line; 50 ft N. of 48-in. hackberry tree; approximately 1 ft below surface of ground and marked by large locust stake; in concrete pedestal; USED capped galvanized iron pipe and copper bolt, designated "BM 1199" (Reported not found, 1952)

361.631

LINE 2.

J. E. McClane, 1950; Book AV 172

Caborn, 2.4 mi NE. of, along L. & N. RR., thence 0.8 mi N.; 20 ft S. and 26 ft E. of, and level with centerline of crossroads; 22 ft N. of power pole; in concrete post; standard tablet stamped "10 JEM 1950 410"

410.089

Reference mark; 40 ft W. of tablet; S. end of galvanized culvert

409.15

Caborn, 2.4 mi NE. of, along L. & N. RR., thence 0.6 mi S.; 26 ft S. and 11 ft E. of, and 2 ft higher than centerline of crossroads; in S. concrete headwall of culvert; standard tablet stamped "11 JEM 1950 469"

469.643

Reference mark; 60 ft N. of tablet; on N. concrete headwall of culvert; chiseled square

467.65

Caborn, 2.0 mi S. of, thence 2.0 mi E. along State Highway 62; 17 ft S. and 16 ft E. of, and level with centerline of crossroads; in S. concrete headwall of culvert; standard tablet stamped "12 JEM 1950 407" (Tied by USC&GS, 1965)

406.682

Reference mark; 36 ft N. of tablet; on N. concrete headwall of culvert; chiseled square

406.66

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 5.

J. E. McClane, 1950; Book AV 172

Mount Vernon, 4.5 mi SE. of, along bank of Ohio River; opposite New York Landing, Ky.; about 540 ft from edge of timber along river bank; about 65 ft from centerline of rd.; on property of Edwin Spencer; at mound 17 ft from upstream river corner of barn; in concrete pedestal; USED galvanized iron pipe and copper bolt designated "BM 1224" (Reported not found, 1957)

366.330

Mount Vernon, 7.4 mi SE. of, along bank of Ohio River; opposite Diamond Island Towhead; about 0.2 mi N. of river bank; 658 ft S. of 44-in. hackberry tree; in centerline of N.-S. rd. about 300 ft N. of junction of Y-rd.; in concrete pedestal; USED galvanized iron pipe and copper bolt designated "BM 1222" (Reported not found, 1957)

356.520

Reference mark; 658 ft N. of "BM 1222"; 21 ft W. of, and about 2 ft higher than centerline of rd.; in root on E. side of 44-in. hackberry tree; copper nail and washer

358.92

West Franklin, 1.0 mi NW. of, thence 3.4 mi W., thence 0.6 mi S.; 60 ft E. of NE. corner of house; 10 ft N. of fence corner; in concrete post; standard tablet stamped "22 JEM 1950 370"

369.433

Reference mark; 150 ft S. of tablet; on top of S. concrete cistern; painted circle

371.29

U.E., West Franklin, 1.0 mi NW. of, thence 2.8 mi W.; 15 ft NW. of, and level with centerline of crossroads; on S. end of N. concrete head-wall of culvert; chiseled square

375.67

U.E., West Franklin, 1.0 mi NW. of, thence 2.4 mi W.; 12 ft N. of, and level with centerline of rd.; on NW. corner of NW. wingwall of steel truss bridge; chiseled square

365.93

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 3. (Cont'd.)

West Franklin, 1.0 mi NW. of, thence 1.8 mi W.; 12 ft S. and 21 ft W. of, and 1 ft higher than centerline of crossroads; 9 ft N. and 9 ft W. of fenceline corner of yard of Darnell School; in concrete post; standard tablet stamped "23 JEM 1950 371"

371.160

Reference mark; 30 ft E. of tablet; on E. end of corrugated culvert under rd.; painted square

369.34

U.E., Caborn, 2.9 mi S. of, thence 2.2 mi E.; 18 ft S. and 20 ft W. of, and 3 ft lower than centerline of crossroads; on SE. corner of S. concrete headwall of culvert; chiseled square

381.91

U.E., Caborn, 2.0 mi S. of, thence 2.0 mi E., thence 0.5 mi S.; 100 ft W. of centerline of crossroads; on N. end of concrete culvert under rd.; chiseled square

381.89

"12 JEM 1950 407" (Described in line 2)

406.682

LINE 4.

J. E. McClane, 1950; Book AV 172

U.E., Uniontown, 2.0 mi SW. of, along State Highway 268, thence 1.4 mi NW., thence 0.4 mi SW.; 12 ft E. of, and 1 ft lower than centerline of rd.; on E. end of concrete culvert; chiseled square

389.67

Uniontown, 2.0 mi SW. of, along State Highway 268, thence 1.6 mi NW. along graveled rd.; in triangle formed by junction of Y-rd. ESE.; 20 ft SE. of, and level with centerline of rd.; 2 ft SW. of white wooden witness post; in concrete post; standard tablet stamped "35 JEM 1950 425"
(Tied by USC&GS, 1954) (Reported not found, 1963)

424.806

Reference mark; 90 ft W. of tablet; on W. end of concrete culvert; painted square

419.47

Jogs into New Haven quadrangle

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 4 (Cont'd.)

U.E., Uniontown, 1.2 mi SW. of, along State Highway 268, thence 1.6 mi NW. and W. along graveled rd.; 10 ft N. of, and 1 ft lower than centerline of rd.; at steel truss bridge; on N. corner of W. concrete abutment of bridge; chiseled square

351.96

Uniontown, 1.2 mi SW. of, along State Highway 268, thence 1.2 mi NW. and W. along graveled rd., thence 1.0 mi N. along graveled rd.; at power house of U. S. Engineer Dam No. 49 on Ohio River; 10 ft NE. of, and 1 ft higher than centerline of drive in front of powerhouse; 8 ft SE. of SE. edge of concrete walk; in top of curb; USED standard disk stamped "492 353.76" (Tied by USC&GS, 1954)

353.408

U.E., Uniontown, 1.2 mi SW. of, along State Highway 268, thence 1.2 mi NW. and W., thence 1.0 mi N.; at U. S. Engineer Dam No. 49; 42 ft SW. of powerhouse; in centerline of drive on top of dam; copper plug (established by USED)

353.47

LINE 5.

J. E. McClane, 1950; Book AV 172

U.E., Uniontown, 1.2 mi SW. of, along State Highway 268, thence 1.6 mi NW. and W. along graveled rd.; chiseled square (Described in line 4)

351.96

Uniontown, 1.2 mi SW. of, along State Highway 268, thence 0.7 mi NW. and W. along graveled rd.; 35 ft N. of centerline of rd. at junction of two field rds.; 700 ft from bank of Ohio River; 16 ft N. of fenceline; 6 ft E. of centerline of farm drive; USED copper bolt in underground capped galvanized iron pipe designated "BM 1221" (Tied by USC&GS, 1954)

356.584

(Note: elevation on copper bolt; cap reported disturbed, 1954)

U.E., Uniontown, 0.6 mi SW. of, along State Highway 268; 12 ft S. of, and 4 ft lower than centerline of bridge over Lost Creek; on W. edge of E. concrete pier; chiseled square

357.68

1950

FeetLINE 5 (Cont'd.)

U.E., Uniontown; 24 ft NE. and 28 ft SE. of, and 1 ft higher than centerline of junction of State Highways 360, 130 and 268; on NE. corner of first step of concrete sidewalk; chiseled square

362.30

Uniontown; at N. angle of intersection of Main and Second Streets; opposite Uniontown Post Office; 3 ft SW. of, and 0.6 ft lower than S. corner of sidewalk; in top of NW. end of right angle-shaped curbing around catch basin trap; standard tablet stamped "36 JEM 1950 360" (Tied by USC&GS, 1954)

359.592

Reference mark; at NW. corner of Uniontown Grocery; on sidewalk; chiseled square

361.36

U.E., Uniontown, 0.9 mi E. of post office; 20 ft S. of, and level with centerline of rd. at small stream crossing; on N. corner of W. concrete headwall of bridge; chiseled square

402.26

Uniontown, 1.5 mi E. of post office, along Henderson Road; 75 ft W. of, and 4 ft higher than centerline of rd. at junction of Y-rd. SW.; 5 ft NW. of fenceline corner; in concrete post; standard tablet stamped "37 JEM 1950 443"

443.201

Reference mark; 44 ft E. of tablet; in root on W. side of 60-in. oak tree; RR. spike

441.96

Uniontown, 1.7 mi E. of post office, along Henderson Road, thence 2.5 mi SE. along graveled rd.; 33 ft S. and 22 ft W. of, and 2 ft higher than centerline of crossroads; 3 ft S. and 2 ft E. of fence corner; in concrete post; standard tablet stamped "38 JEM 1950 410"

409.561

Reference mark; 142 ft NW. of tablet; on E. end of concrete culvert; chiseled square

408.24

U.E., Uniontown, 1.7 mi E. of post office, along Henderson Road, thence 2.5 mi SE. along graveled rd., thence 0.7 mi NE. along graveled rd.; 7 ft E. of, and 1 ft higher than centerline of rd.; on NE. corner of E. concrete headwall of culvert over drain; chiseled square

395.07

1950

LINE 5 (Cont'd.)Feet

Uniontown, 1.7 mi SE. of post office, along old Henderson Road, thence 2.5 mi SE. along graveled rd., thence 1.3 mi NE. along graveled rd.; 18 ft N. of centerline of rd.; 22 ft SW. of, and level with centerline of rd. at junction of Y-rd.; at E. corner of rd. triangle; in concrete post; standard tablet stamped "39 JEM 1950 408"	407.706
Reference mark; 260 ft SW. of tablet; on W. end of concrete culvert under rd.; chiseled square	406.06
U.E., Hitesville, 0.2 mi SW. of, along graveled rd., thence 1.5 mi NW.; 9 ft S. of, and 1 ft higher than centerline of rd.; on E. end of S. concrete headwall of culvert over drain; chiseled square	374.07
Hitesville; at old storehouse building; 33 ft W. and 21 ft N. of, and 2 ft higher than centerline of rd. at junction of T-rd. S.; 6 ft N. of N. mailbox; in concrete post; standard tablet stamped "40 JEM 1950 406"	405.302
Reference mark; 50 ft SW. of tablet; high point of second stepping stone of sidewalk to house adjoining store house	404.78
Hitesville, 0.4 mi SE. of, along graveled rd., thence 0.8 mi NE. along graveled rd., thence 0.9 mi SE., thence 0.1 mi NE.; in NE. angle of T-rd. E.; in concrete post; standard tablet stamped "41 JEM 1950 RESET 1956"	421.644
U.E., Hitesville, 0.4 mi SE. of, along graveled rd., thence 0.8 mi NE., thence 0.9 mi SE., thence 0.7 mi NE.; 12 ft W. of, and level with centerline of rd.; at N. end of steel truss bridge over Highland Creek; on NW. corner of N. concrete wingwall of bridge; chiseled square	362.13
Hitesville, 0.4 mi SE. of, along graveled rd., thence 0.8 mi NE., thence 0.9 mi SE., thence 1.8 mi NE., 24 ft NE. of, and 3 ft higher than centerline of rd. at junction of T-rd. S.; 10 ft S. and 2 ft E. of fence corner; in concrete post; standard tablet stamped "42 JEM 1950 378"	377.730

1950

LINE 5 (Cont'd.)Feet

Reference mark No. 1; 18 ft W. of centerline of rd.; in root on E. side of 24-in. oak tree; RR. spike

375.03

Reference mark No. 2; 30 ft E. and 15 ft S. of centerline of rd. at junction of T-rd.; in N. side of corner fencepost; RR. spike

377.32

"25 JEM 1950 440" (Described in line 1)

440.084

LINE 6.

J. E. McClane, 1950; Book AV 172

"40 JEM 1950 406" (Described in line 5)

405.302

Hitesville, 2.4 mi NE. of, along graveled rd.; 24 ft N. and 30 ft E. of, and 3 ft higher than centerline of rd. at junction of Y-rd.; 27 ft N. and 25 ft E. of centerline of rd. at junction of farm rd. E.; in concrete post; standard tablet stamped "43 JEM 1950 415"

414.585

Reference mark No. 1; 57 ft E. of tablet; in S. side of fencepost; RR. spike

413.47

Reference mark No. 2; 165 ft NW. of tablet; on N. side of gatepost; top of bottom hinge pin

410.81

U.E., Hitesville, 4.1 mi N. of, along graveled rd.; 66 ft S. and 45 ft W. of, and 1 ft higher than centerline of rd. at right-angle turn in rd.; in root on E. side of 28-in. locust tree; RR. spike

372.23

Hitesville, 4.4 mi N. of, along graveled rd.; 25 ft NE. and 20 ft SE. of, and 3 ft higher than centerline of rd. at junction of T-rd. E.; 18 ft N. and 1 ft E. of fence corner at fenceline W.; in concrete post; standard tablet stamped "44 JEM 1950 364"

363.660

Reference mark No. 1; 115 ft SE. of tablet; on S. end of concrete culvert; chiseled square

359.92

Reference mark No. 2; 18 ft NE. of tablet; in E. side of corner fencepost; RR. spike

364.15

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

FeetLINE 6 (Cont'd.)

Alzey, 1.7 mi SW. of, thence 0.7 mi SE.; 25 ft SW. and 27 ft NW. of, and level with centerline of rd. at junction of T-rd. NW.; 2 ft SE. of corner fencepost; in concrete post; standard tablet stamped "45 JEM 1950 359" (Reported destroyed, 1952)

358.896

Reference mark No. 1; 78 ft NE. of tablet; in top of seventh fencepost N. of fenceline corner; RR. spike

361.45

Reference mark No. 2; 45 ft W. of tablet; in top of fourth fencepost W. of fenceline corner; RR. spike

361.86

Alzey, 1.7 mi SW. of, along graveled rd.; 27 ft NW. and 25 ft SW. of, and level with centerline of crossroads; at NE. corner of cultivated field; in concrete post; standard tablet stamped "46 JEM 1950 360"

359.390

Reference mark No. 1; 210 ft NW. of tablet; in root on W. side of 60-in. oak tree; RR. spike

358.35

Reference mark No. 2; 55 ft NE. of tablet; in root on E. side of 10-in. oak tree; RR. spike

359.38

"BM 1199" (USED) (Described in line 1)

361.631

LINE 7.

J. E. McClane, 1950; Book AV 172

Reference mark No. 2; RR. spike (Described in line 6)

359.38

Alzey, 3.0 mi SW. of, along graveled rd.; 24 ft NE. and 12 ft NW. of, and 2 ft higher than centerline of rd. at junction of abandoned T-rd. S.; on iron post; standard cap stamped "355 KY" (Reported not found, 1952)

354.974

Reference mark; 140 ft N. of cap; in root on S. side of 6-in. elm tree; RR. spike

352.05

UNIONTOWN
Book AV 172

IND.-KY.

J. E. McClane

1950

LINE 7 (Cont'd.)Feet

Alzey, 3.0 mi SW. of, along graveled rd., thence 2.4 mi SW.; 18 ft S. and 16 ft W. of, and 3 ft higher than centerline of rd. at junction of T-rd. S.; on top of bank; in concrete post; standard tablet stamped "47 JEM 1950 354"

353.926

Reference mark; 230 ft N. of tablet; on W. end of concrete culvert; painted square

349.45

U.E., Uniontown, 5.5 mi NE. of, along State Highway 268; 14 ft S. and 105 ft W. of, and 1 ft higher than centerline of hwy. at junction of T-rd. S.; on S. end of concrete culvert; chiseled square

354.01

Uniontown, 4.0 mi NE. of, along State Highway 268; 47 ft NNE. of, and 1 ft higher than centerline of hwy. at junction of T-rd. E.; 21 ft NW. of 36-in. elm tree; 2 ft SW. of fenceline; 2 ft S. of white wooden witness post; on iron post; standard cap stamped "352" (Reported not found, 1952) (Tied by USC&GS, 1953)

351.613

Reference mark; 75 ft E. of tablet; in root on S. side of 18-in. walnut tree; RR. spike

353.28

Uniontown, 4.0 mi N E. of, along State Highway 268, thence 2.0 mi N., thence 0.5 mi W.; opposite head of Slim Island Towhead; about 500 ft from bank of river; 4 ft below property line fence of Mrs. Bettie Decar and Mr. William Elliott, Jr.; at angle in rd.; in concrete pedestal; USED capped galvanized iron pipe and copper bolt stamped "BM 1215" (Reported not found, 1953)

353.575

LINE 8.

D. A. Deane, 1957; Book AV 580

Caborn, 1.1 mi N. of, along graveled rd., thence 1.7 mi W.; 39 ft S. and 15 ft W. of centerline of crossroads; 1 ft E. of telephone pole; 18 ft E. of power pole; in concrete post; standard tablet stamped "TT 29 TWC 1957 434"

454.470

UNIONTOWN
Book AV 580

IND.-KY.

D. R. Deane

1957

LINE 8 (Cont'd.)Feet

U.E., Caborn, 1.1 mi N. of, thence 0.4 mi W.; on S. concrete headwall of culvert; chiseled square	406.43
Caborn, 1.1 mi N. of, along graveled rd.; 27 ft S. and 20 ft E. of centerline of rd. at junction of T-rd. N.; 12 ft S. of S. end of concrete culvert; in concrete post; standard tablet stamped "TT 30 TWC 1957 392"	391.834
Reference mark; 14 ft S. of tablet; S. concrete headwall of culvert	391.80
U.E., Caborn, 1.1 mi N. of, thence 0.8 mi E., thence 0.2 mi N.; on SW. abutment of single-span concrete and steel bridge; chiseled square	391.34
"10 JEM 1950 410" (Described in line 2)	410.089

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNIONTOWN QUADRANGLE
7 IND.-158 KY.
N3745-W8745/15
DIAGRAM NJ 16-8
EVANSVILLE

Henderson and Union Co. (KY.)
Posey Co. (IND.)

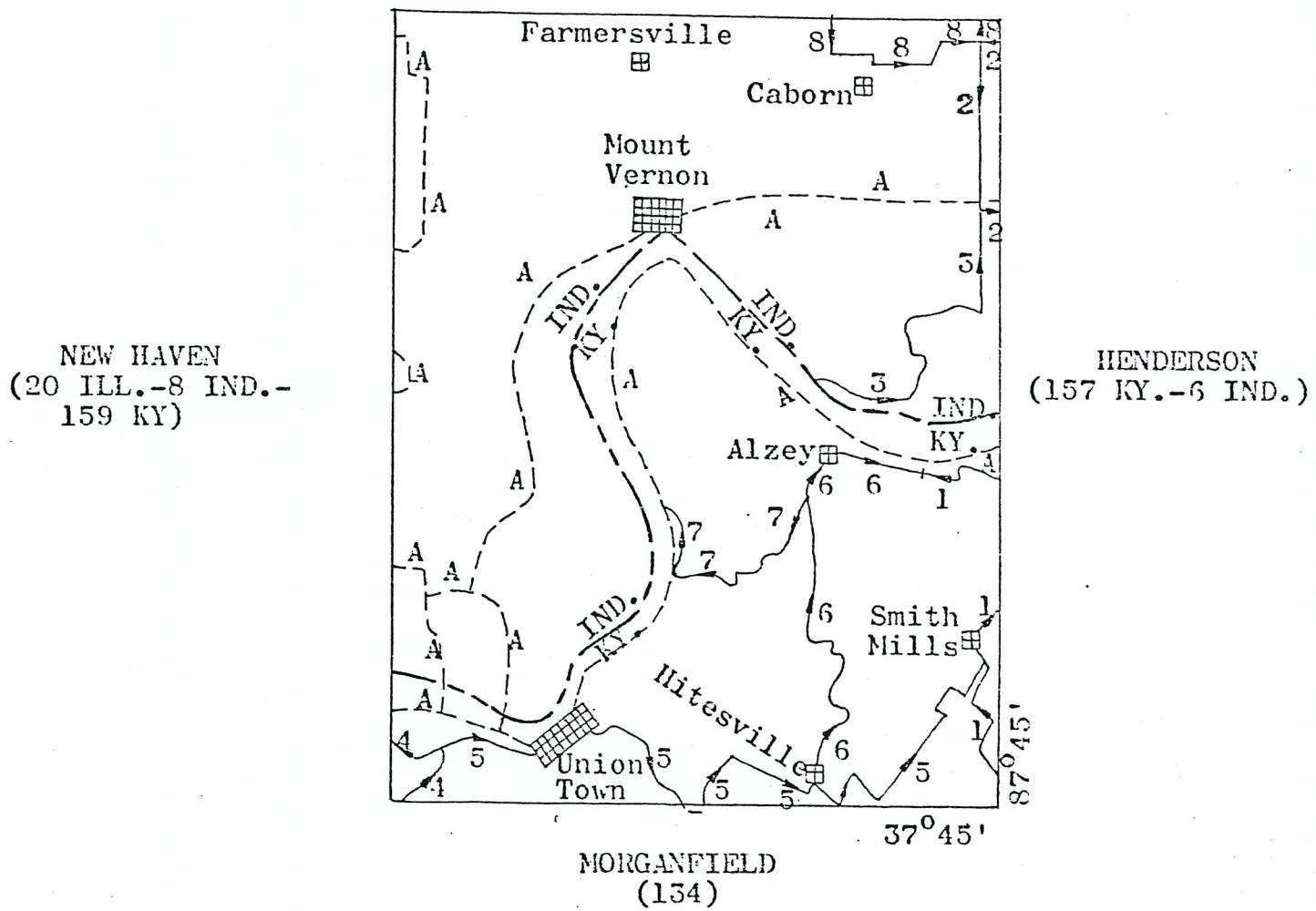
Final adjustment of 1971

Edition of 10/5/71

PR: DSW/dt

Only the permanent marks
are listed for lines
run more than 25 years
before edition date

NEW HARMONY
(17 IND.-29 ILL.)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370874

UNIONTOWN QUADRANGLE

N3745-W8745/15
7 IND.-158 KY.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
352	14	35 JEM 1950 425	8
355 KY	13	36 JEM 1950 360	10
357	4	37 JEM 1950 443	10
359 KY	3	38 JEM 1950 410	10
362	3	39 JEM 1950 408	11
362	3	40 JEM 1950 406	11,12
364	3	41 JEM 1950 RESET 1956	11
365	3	42 JEM 1950 378	11
367	3	43 JEM 1950 415	12
369	3	44 JEM 1950 364	12
380	4	45 JEM 1950 359	13
384	4	46 JEM 1950 360	13
413	3	47 JEM 1950 354	14
413	4	TT 29 TWC 1957 434	14
420 IND.	4	TT 30 TWC 1957 392	15
420 IND.	4		
456	4	<u>USED</u>	
10 JEM 1950 410	6,15		
11 JEM 1950 469	6	492 553.76	9
12 JEM 1950 407	6,8	BM 1199	6,13
22 JEM 1950 370	7	BM 1215	14
23 JEM 1950 371	8	BM 1221	9
24 JEM 1950 410	5	BM 1222	7
25 JEM 1950 440	5,12	BM 1224	7
28 JEM 1950 364	5		

UNIONTOWN
Books A 9319 and A 9354

IND. - KY.

S. R. Archer
E. C. Bibbee

1914

Feet

ISOLATED BENCH MARKS ESTABLISHED PRIOR TO 1915
(By S. R. Archer and E. C. Bibbee, 1914;
Books A 9319 and A 9354)

Smith Mills; opposite Smith Mills Bank; at SE.
corner of junction of T-rd. S.; on iron post;
standard cap stamped "413" (Reported
destroyed, 1953)

412.434

Smith Mills, 3.6 mi NW. of; at junction of Klondyke
and Smith Mills-Alzey Roads; on N. side of rd.;
2 ft S. of fenceline; on iron post; standard cap
stamped "362"

361.047

Alzey, 0.7 mi E. of; at NE. corner of junction of
T-rd. S.; 6 ft S. and 3 ft W. of fenceline corner;
on iron post; standard cap stamped "362"
(Reported not found, 1950)

361.698

Uniontown, 400 ft above landing; on bank of Ohio
River; on iron post; standard cap stamped
"359 KY"

358.870

Hastings Corners, 1.0 mi E. of, thence 2.3 mi SW.
along State Highway 69; in sec. 14, T. 8 S., R. 14
W.; 40 ft N. and 15 ft E. of centerline of hwy. at
junction of T-rd. W.; 3 ft SW. of 20-in. walnut
tree; on iron post; standard cap stamped "367"
Tied by USC&GS, 1965

366.331

Hastings Corners, 1.5 mi W. of, thence 0.8 mi N.;
in NE. 1/4 sec. 4, T. 8 S., R. 14 W.; at SW. corner
of crossroads; 4 ft S. of corner fence post at
fenceline W.; on iron post; standard cap stamped
"369" (Reported not found, 1957)

368.748

Mount Vernon, 1.3 mi SW. of, along State Highway 69,
thence 3.5 mi W.; at Prairie; in cor. secs. 9, 10,
15 and 16, T. 7 S., R. 14 W.; at SE. corner of
crossroads; at SE. corner of bridge over drainage
ditch; inside concrete wingwall; on iron post;
standard cap stamped "365"

364.362

Upton, 0.2 mi S. of, thence 1.0 mi W., along State
Highway 62; in E. 1/2 sec. 33, T. 6 S., R. 14 W.;
at SW. corner of crossroads; on iron post; standard
cap stamped "364" (Reported destroyed, 1957)

365.129

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-087-44
UNIONTOWN QUADRANGLE
7 IND.-158 KY.
N37°45' E87°45' / 15
DIAGRAM NJ 16-8
EVANSVILLE

Posey County, Ind.; Henderson
and Union Counties, Ky.

Edition of 2/3/77

Only the permanent marks are
listed for control classifie
obsolete and are not shown o
sketch

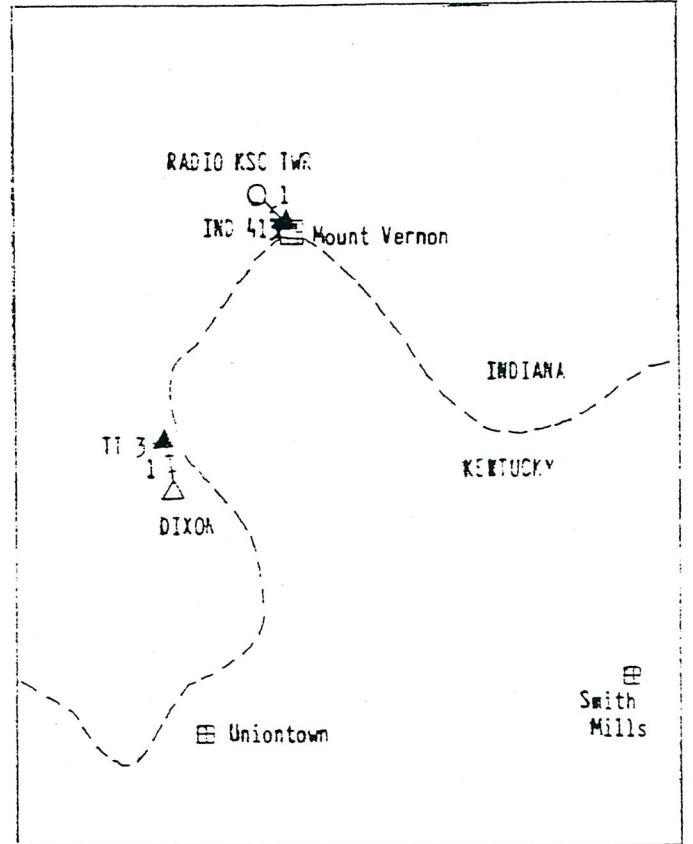
PR::CRV/rm

Plane coordinates are based on transverse Mercator
projection, Indiana, West Zone, and Lambert
projection, Kentucky, South Zone

NEW HARMONY
(17 IND.-29 ILL.)

NEW HAVEN
(20 ILL.-8 IND.-159 KY.)

HENDERSON
(157 KY.-6 IND.)



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>LINE NO.</u>
367	5	
380	3	
IND 384	3	
IND 413	7	1
PTS NO 13	3	
TT 20 NO 1935	3	
TT 21 NO 1935	3	
10 JEM 1950 410	4	
11 JEM 1950 469	4	
12 JEM 1950 407	4	
22 JEM 1950 370 TT	4	
23 JEM 1950 371	4	
24 JEM 1950 410	3	
25 JEM 1950 440	3	
26 JEM 1950 364	4	
35 JEM 1950 425	5	
TT 1 TWC 1951	4	
TT 2 TWC 1951	4	
TT 3 TWC 1951	7	1
TT 4 TWC 1951	5	
TT 5 TWC 1951	5	
TT 6 TWC 1951	5	
TT 7 TWC 1951	5	
TT 8 TWC 1951	5	
TT 1 DWF 1956	6	
TT 2 DWF 1956	6	
TT 29 TWC 1957 434	6	
TT 30 TWC 1957 392	6	
<u>INDIANA STATE HIGHWAY DEPARTMENT</u>		
V 110	5	
<u>NSS</u>		
DIXON 1960	7	1
MT VERNON RADIO STATION KSC TOWER 1960	6	1
MT VERNON RADIO STATION WPCO MAST 1960	6	1

7 IND.-158 KY.
UNIONTOWN QUADRANGLE

37-087-44

3

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	0 0 *	0 0 *

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By J. R. Ellis, 1904; Books 3452-3

Uniontown; in S. part of town; 104 ft SW. of main building of R. M. Snoppers tobacco factory; 5 ft from S. corner fence post; in 7- by 13- by 26-in. sandstone post; standard tablet stamped "PRIM TRAV STA NO 13" (Not found,

Ky. S.) X = 1,367,263 Y = 530,121 37 46 09.20 87 56 20.80

By L. D. Hottel, 1935; Book D1628

Caborn, 2.8 mi S. of; 6.0 mi E. of Mount Vernon; between secs. 7 and 8, T. 7 S., R. 12 W.; at SE. corner of crossroads; on iron post; standard tablet stamped "380" (Reported disturbed, 1945)

X = 1,410,947 Y = 587,532 37 55 46.32 87 47 32.34

Approx. 1/4 cor. secs. 1 and 2, T. 7 S., R. 13 W.; 30 ft S. of centerline of State Highway 62; 25 ft E. of N.-S. rd.; at SE. corner of intersection; in concrete post; standard tablet stamped "TI 20 HO 1935"

X = 1,399,573 Y = 592,603 37 56 33.99 87 49 55.66

Upton, 0.2 mi S. of, thence 0.9 mi E.; 3.2 mi NW. of Mount Vernon, along L. & N. RR.; in SE. 1/4 sec. 35, T. 6 S. R. 14 W.; 310 ft E. of junction of private rd. N.; 250 ft E. of hwy. bridge over Candy Creek; on N. side of R.R. at RR. right-of-way fenceline corner; on iron post; standard tablet stamped "IND 384" (Not found, 1957)

X = 1,366,524 Y = 598,831 37 57 28.14 87 56 49.91

About 400 ft S. of R. 1/4 cor. sec. 21, T. 6 S., R. 14 W.; 225 ft SE. of steel bridge over Big Creek; 22 ft E. of E. rail; in concrete post; standard tablet stamped "TI 21 HO 1935" (Not found, 1957)

X = 1,355,253 Y = 612,672 37 59 42.31 87 59 14.69

By T. W. Cayce, 1951; Book AH 226

Smith Mills, 0.5 mi SE. of, along State Highway 136, thence 1.3 mi SW., thence 0.7 mi SE.; 6 ft S. and 15 ft E. and 2 ft higher than centerline of rd. at junction of farm rd. N.; 24 ft S. of E. gatepost; in concrete post; standard tablet stamped "24 JEM 1950 410"

X = 1,420,235 Y = 529,978 37 46 19.41 87 45 21.20

Smith Mills, 0.5 mi SE. of, along State Highway 136; 36 ft S. of, and 1 ft higher than centerline of hwy. at junction of Y-rd.; 36 ft W. of junction of rd. E.; 33 ft NE. of junction of rd. W.; in concrete post; standard tablet stamped "25 JEM 1950 440"

X = 1,420,962 Y = 537,783 37 47 36.72 87 45 14.21

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ° "	° ° "

OBSOLETE MARKS (Cont'd.)

Alzey, 3.2 mi SE. of; 18 ft N. and 18 ft E. of, and level with centerline of State Highway 62 at junction of T-rd. N.; 12 ft W. of fenceline corner; in concrete post; standard tablet stamped "28 JEM 1950 364"

Ky. S.) X = 1,419,211 Y = 561,780 37 51 33.54 87 45 42.39

West Franklin, 1.0 mi NW. of, thence 3.4 mi W., thence 0.6 mi S.; 60 ft E. of NE. corner of house; 10 ft N. of fence corner; in concrete post; standard tablet stamped "22 JEM 1950 370 IT"

X = 1,413,260 Y = 574,069 37 53 33.74 87 46 59.85

West Franklin, 1.0 mi NW. of, thence 1.6 mi W.; 12 ft S. and 21 ft W. of, and 1 ft higher than centerline of crossroads; 9 ft N. and 9 ft W. of fenceline corner of yard of Darnell School; in concrete post; standard tablet stamped "23 JEM 1950 371"

X = 1,421,295 Y = 572,573 37 54 19.95 87 45 20.84

Caborn, 2.0 mi S. of, thence 2.0 mi E. along State Highway 62; 17 ft S. and 16 ft E. of, and level with centerline of crossroads; in S. concrete headwall of culvert; standard tablet stamped "12 JEM 1950 407" (Reported destroyed, 1975)

X = 1,421,808 Y = 591,891 37 56 31.70 87 45 17.96

Caborn, 2.4 mi NE. of, along L. & N. RR., thence 0.6 mi S.; 26 ft S. and 11 ft E. of, and 2 ft higher than centerline of crossroads; in S. concrete headwall of culvert; standard tablet stamped "11 JEM 1950 469"

X = 1,422,502 Y = 603,353 37 58 25.13 87 45 12.34

Caborn, 2.4 mi NE. of, along L. & N. RR., thence 0.8 mi N.; 20 ft S. and 26 ft E. of, and level with centerline of crossroads; 22 ft N. of power pole; in concrete post; standard tablet stamped "10 JEM 1950 410"

X = 1,422,462 Y = 610,544 37 59 36.20 87 45 14.76

Mt. Vernon, 0.2 mi E. of city limits, along State Highway 62, thence 2.8 mi E., along graveled rd. to crossroads; 18 ft N. and 18 ft E. of crossroads; set between two powerline poles at SW. corner of small pasture; in concrete post; standard tablet stamped "11 1 TWC 1951" (Not found, 1975)

X = 1,399,477 Y = 590,025 37 56 08.48 87 49 56.14

Mt. Vernon, 0.2 mi E. of city limits, along State Highway 62 to Y-rd., thence 0.8 mi E. along graveled rd. to steel bridge; 20 ft N. of centerline of rd.; 2 ft E. of powerline pole No. 15410; about 85 ft NE. of E. end of steel and wooden bridge; in concrete post; standard tablet stamped "11 2 TWC 1951" (Reported destroyed, 1975)

X = 1,389,301 Y = 591,589 37 56 21.70 87 52 03.57

7 IND.-158 KY.
UNIONTOWN QUADRANGLE

37-087-44

5

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBsolete MARKS (Cont'd.)

Indiana State Highway Department standard disk stamped "V 110" (Description not available)

Ky. S.) X = 1,367,428 Y = 574,900 37 53 31.82 87 56 31.69

Hovey, 4.0 mi S. of, along State Highway 69; 17 ft SE. of centerline of hwy.; 7 ft NE. of 10-in. red oak tree; at field rd. entrance; 12 ft N. and 30 ft E. of centerline of rd. opposite N. fenceline around barnyard; in concrete post; standard tablet stamped "TI 4 TWC 1951"

X = 1,365,895 Y = 554,895 37 50 13.75 87 56 45.00

Hastings Corners, 1.0 mi E. of, thence 2.3 mi SW. along State Highway 69; in sec. 14, T. 8 S., R. 14 W.; 40 ft N. and 15 ft E. of centerline of hwy. at junction of T-rd. W.; 3 ft SW. of 20-in walnut tree; on iron post; standard cap stamped "367"

X = 1,361,869 Y = 548,233 37 49 07.07 87 57 33.23

Hovey, 6.0 mi S. of, along State Highway 69; 21 ft W. of centerline of rd. in line with fenceline W.; 182 ft SE. of centerline of rd. over sewer drain W. of station; in concrete post; standard tablet stamped "TI 5 TWC 1951"

X = 1,362,522 Y = 545,633 37 48 41.43 87 57 24.34

Hovey, 8.2 mi S. of, along State Highway 69 to T-rds.; 157 ft SW. of junction of T-rd.; 13 ft NW. of old Ferry Road; 32 ft SE. of State Highway 69; 2 ft NE. of arrow sign; in concrete post; standard tablet stamped "TI 6 TWC 1951"

X = 1,366,520 Y = 536,272 37 47 09.82 87 56 31.82

Hovey, 8.9 mi S. of, along State Highway 69, to end of hwy., thence 1.7 mi W. along dirt and graveled rd. along river; 22 ft W. of centerline of rd.; 15 ft S. and 22 ft W. of field rd. intersection; 115 ft W. of steel and concrete bridge; in concrete post; standard tablet stamped "TI 7 TWC 1951"

X = 1,359,444 Y = 536,503 37 47 10.47 87 58 00.02

Hovey, 5.5 mi S. of, along State Highway 69, thence 1.1 mi W. along graveled rd. to Cornback Church; 56 ft N. of centerline of graveled rd.; 6 ft E. of SE. corner of church; 1.8 ft SE. of small concrete walk; in concrete post; standard tablet stamped "TI 8 TWC 1951"

X = 1,355,631 Y = 548,404 37 49 07.21 87 58 51.01

Uniontown, 2.0 mi SW. of, along State Highway 268, thence 1.6 mi NW. along graveled rd.; in triangle formed by junction of T-rd. ESE.; 20 ft SE. of, and level with centerline of rd.; 2 ft SW. of white wooden witness post; in concrete post; standard tablet stamped "35 JEM 1950 425" (Not found, 1963)

X = 1,352,731 Y = 528,754 37 45 52.32 87 59 21.32

7 INC.-158 KY.
UNIONTOWN QUADRANGLE

37-082-44

6

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBsolete MARKS (Cont'd.)

By D. W. Pinkston, 1956; Book AH 442

Mt. Vernon, 0.6 mi E. of courthouse at intersection of State Highways 62 and 69, along Highway 62, thence 2.0 mi N. along Tile Factory Road; at main entrance to St. Matthews Cemetery; 32 ft W. of centerline of rd.; 13 ft S. of drive to cemetery; 2.5 ft E. of statue marked "St. Matthew"; 0.3 ft below surface of ground; in concrete post; standard tablet stamped "TI 1 DWP 1956"

Ky. S.) X = 1,385,056 Y = 599,669 37 57 40.62 87 52 58.82

Mt. Vernon, 0.6 mi E. of courthouse (intersection of State Highways 62 and 69), along Highway 62, thence 3.5 mi N. along Tile Factory Road to junction of Y-rd., thence 0.4 mi W., thence 1.1 mi N.; 1.6 mi S. and E. of Olive Chapel; at crossroads; 34 ft E. of N.-S. rd.; 30 ft N. of E.-W. rd.; 5 ft E. of 6-in. ash tree; 5 ft W. of power pole; in concrete post flush with ground; standard tablet stamped "TI 2 DWP 1956"

X = 1,386,710 Y = 611,961 37 59 42.47 87 52 41.63

By T. W. Cayce, 1957; Book AH 472

Caborn, 1.1 mi N. of, along graveled rd., thence 1.7 mi W.; 39 ft S. and 15 ft W. of centerline of crossroads; 1 ft E. of telephone pole; 18 ft E. of power pole; in concrete post; standard tablet stamped "TI 29 TWC 1957 434"

X = 1,404,229 Y = 609,856 37 59 25.52 87 49 02.27

Caborn, 1.1 mi N. of, along graveled rd.; 27 ft S. and 20 ft E. of centerline of rd. at junction of I-rd. N.; 12 ft S. of S. end of concrete culvert; in concrete post; standard tablet stamped "TI 30 TWC 1957 392" (not found, 1975)

X = 1,411,618 Y = 609,246 37 59 11.19 87 47 29.56

THIRD-ORDER ELECTRONIC TRAVERSE

Final adjustment of 1976

LINE 1.

By R. L. Todd, 1963, Book AH 816

NGS standard triangulation station designated "MT VERNON RADIO STATION WPCO MAST 1960"

X = 1,372,314.52 Y = 590,045.30 37 56 02.631 87 55 35.110

NGS standard triangulation station designated "MT VERNON RADIO STATION KSC TOWER 1960"

X = 1,378,951.70 Y = 592,847.64 37 56 31.832 87 54 13.077

7 IMD.-158 KY.
UNIONTOWNS QUADRANGLE

37-087-44

7

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

LINE 1 (Cont'd.)

Mount Vernon; 36 ft NE. of centerline of Main Street at Louisville and Nashville Railroad crossing; 35 ft SW. of SW. corner of small brick office building; 38 ft E. of center bolt in top of fire plug on W. side of street 2 ft E. of E. edge of pavement; on iron post; standard cap stamped "IMD 413"

Ky. S.) X = 1,380,769 Y = 591,613 37 56 20.04 87 53 50.05

NGS standard triangulation station disk stamped "DIXON 1960"

X = 1,368,496.76 Y = 560,485.91 37 51 09.607 87 56 14.197

Hovey, 2.0 mi S. of, along State Highway 69 to two-story white frame house; 17 ft S. and 50 ft W. of driveway; 2 ft NE. of powerline pole No. 37849; 30 ft E. of fence corner; in concrete post; standard tablet stamped "IT 3 TWO 1951"

X = 1,366,075 Y = 565,490 37 51 58.51 87 56 45.80